

NAD+ Vial Reference (Printable PDF)

ANSWER

NAD+ Vial Reference divides labelled vial mass by diluent volume to show concentration. The final column converts a hypothetical 100 mcg value entered by the user into U-100 syringe units at that concentration. It is a vial reference, not an amount or schedule guide.

This chart is a calculation reference. The amounts shown are labels or arithmetic examples; this chart states no dose and gives no **medical advice**.

Vial mg × diluent mL → concentration

Each row is a direct conversion. No row is highlighted or selected for the reader.

Vial mass	Diluent volume	Concentration	User-entered conversion
100 mg	0.5 mL	200,000 mcg/mL	0.05 U-100 units per 100 mcg entered
100 mg	1 mL	100,000 mcg/mL	0.1 U-100 units per 100 mcg entered
100 mg	1.5 mL	66,666.67 mcg/mL	0.15 U-100 units per 100 mcg entered
100 mg	2 mL	50,000 mcg/mL	0.2 U-100 units per 100 mcg entered
100 mg	2.5 mL	40,000 mcg/mL	0.25 U-100 units per 100 mcg entered
100 mg	3 mL	33,333.33 mcg/mL	0.3 U-100 units per 100 mcg entered
100 mg	5 mL	20,000 mcg/mL	0.5 U-100 units per 100 mcg entered
500 mg	0.5 mL	1,000,000 mcg/mL	0.01 U-100 units per 100 mcg entered
500 mg	1 mL	500,000 mcg/mL	0.02 U-100 units per 100 mcg entered
500 mg	1.5 mL	333,333.33 mcg/mL	0.03 U-100 units per 100 mcg entered
500 mg	2 mL	250,000 mcg/mL	0.04 U-100 units per 100 mcg entered
500 mg	2.5 mL	200,000 mcg/mL	0.05 U-100 units per 100 mcg entered
500 mg	3 mL	166,666.67 mcg/mL	0.06 U-100 units per 100 mcg entered
500 mg	5 mL	100,000 mcg/mL	0.1 U-100 units per 100 mcg entered
1000 mg	0.5 mL	2,000,000 mcg/mL	0.01 U-100 units per 100 mcg entered
1000 mg	1 mL	1,000,000 mcg/mL	0.01 U-100 units per 100 mcg entered
1000 mg	1.5 mL	666,666.67 mcg/mL	0.02 U-100 units per 100 mcg entered
1000 mg	2 mL	500,000 mcg/mL	0.02 U-100 units per 100 mcg entered
1000 mg	2.5 mL	400,000 mcg/mL	0.03 U-100 units per 100 mcg entered
1000 mg	3 mL	333,333.33 mcg/mL	0.03 U-100 units per 100 mcg entered
1000 mg	5 mL	200,000 mcg/mL	0.05 U-100 units per 100 mcg entered

Sources

NIST Guide for the Use of the International System of Units (<https://www.nist.gov/pml/special-publication-811>)

PubMed literature search for NAD+ (<https://pubmed.ncbi.nlm.nih.gov/?term=NAD%2B>)

PubChem: NAD+ compound record (<https://pubchem.ncbi.nlm.nih.gov/compound/5892>)

Cayman Chemical: NAD+ specification (<https://www.caymanchem.com/product/16077/nad+>)

KEY FACTS

- ✓ **Arithmetic reference only:** every numeric cell is a unit conversion or mass ÷ volume result.
- ✓ **No amount is selected:** any target amount shown is explicitly a user-entered example axis.
- ✓ **Printable:** the HTML table and downloadable PDF are generated from the same source.
- ✓ **Check the label:** a table cannot authenticate a vial, syringe or diluent.

How to read this chart

Use a value printed on your own label or measuring device, then follow the row to the converted unit. The table performs deterministic arithmetic and does not decide which row applies to you.

What this chart does not do

It does not select an amount, product, diluent volume, schedule or progression. It is a printable reference for values that already exist in your own record.

Oxidized NAD⁺ has a charged molecular record

PubChem lists oxidized nicotinamide adenine dinucleotide under the title Nadide, formula C₂₁H₂₇N₇O₁₄P₂ and molecular weight 663.4 g/mol. The charge state and counterions matter when comparing this entry with sodium salts or reduced NADH. A front label that says NAD⁺ is therefore incomplete for molar work unless the chemical form is also documented. The calculator stays with labelled mass so it does not silently equate different salt specifications.

Sources: PubChem: NAD⁺ compound record · Cayman Chemical: NAD⁺ specification.

Source and method

The table was generated from the stated formula and checked against **NIST Guide for the Use of the International System of Units** · PubMed literature search for NAD⁺ · PubChem: NAD⁺

compound record · Cayman Chemical: NAD+ specification. External sources provide unit or identity context; the numeric grid itself is original arithmetic.

Frequently asked questions

Does this printable chart recommend a dose?



No. It converts labelled mass, measured volume and user-entered values. It provides no starting amount, upper limit, schedule or progression.

Can I use the PDF without the website?



Why is the source list separate from the numeric table?



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NAD+ calculator



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